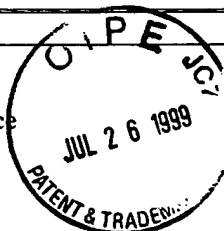


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U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if appropriate
<i>ACP</i>	3,689,333	09/1972	Hillhouse	156	14	8-24-70
<i>ACP</i>	3,756,898	09/1973	Frantzen, et al.	156	345	7-14-69
<i>ACP</i>	4,240,880	12/1980	Tsuchibuchi, et al.	204	15	7-11-79
<i>ACP</i>	4,341,841	07/1982	Ohno, et al.	428	414	11-13-79
<i>ACP</i>	4,482,425	11/1984	Bathey	156	637	11-13-83
<i>ACP</i>	4,501,636	02/1985	Valley	156	345	12-28-83
<i>ACP</i>	4,624,729	11/1986	Bresciani, et al.	156	345	11-25-86
<i>ACP</i>	4,846,868	07/1989	Aratani	65	30.14	9-3-87
<i>ACP</i>	4,953,952	09/1990	Okumura, et al.	350	337	7-7-88
<i>ACP</i>	5,002,627	03/1991	Scheithauer, et al.	156	345	8-7-89
<i>ACP</i>	5,112,437	05/1992	Watanabe, et al.	156	646	2-20-91
<i>ACP</i>	5,159,787	11/1992	Suenaga, et al.	51	326	9-30-91
<i>ACP</i>	5,164,018	11/1992	Barcelona, Jr.	134	28	3-18-92

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes/No/Abstract
<i>ACP</i>	0 474 474	03/1992	Europe	—	—	English
<i>ACP</i>	0 586 147	03/1994	Europe	—	—	English
<i>ACP</i>	0 659 521	06/1995	Europe	—	—	English
<i>ACP</i>	1-189631	07/1989	Japan	—	—	Abstract
<i>ACP</i>	2-141703	05/1990	Japan	—	—	Abstract

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**PATENT DOCUMENTS**

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if appropriate
ACP	5,246,540	09/1993	Soda	156	663	4-1-92
ACP	5,319,479	06/1994	Yamada, et al.	359	58	8-3-91
ACP	5,371,619	12/1994	Sirkin, et al.	359	53	12-3-93
ACP	5,378,308	01/1995	Thoms	156	640	11-9-92
ACP	5,389,148	02/1995	Matsunaga	118	300	2-14-95
ACP	5,429,711	07/1995	Watanabe, et al.	216	52	8-9-93
ACP	5,434,433	07/1995	Takasu, et al.	257	59	8-13-93
ACP	5,505,804	04/1996	Mizuguchi, et al.	156	154	12-22-94
ACP	5,514,850	05/1996	Miyazaki, et al.	219	121.69	5-19-93
ACP	5,543,181	08/1996	Fehn, et al.	427	421	12-13-94
ACP	5,701,165	12/1997	Kubo, et al.	349	5	6-6-95
ACP	5,766,493	06/1998	Shin	216	23	10-27-95
ACP	5,767,931	06/1998	Paczkowski	349	158	10-24-95

**FOREIGN PATENT DOCUMENTS**

Document Number	Date	Country	Class	Subclass	Translation Yes/No/Abstract
2-196222	08/1990	Japan			Abstract
2-138459	11/1990	Japan			No
3-22390	01/1991	Japan			Abstract
4-116619	04/1992	Japan			Abstract
4-163528	06/1992	Japan			Abstract

**OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, etc.)**

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## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes/No/Abstract
<i>AEP</i>		5-61011	03/1993	Japan			No
<i>AEP</i>		5-249422	09/1993	Japan			Abstract
<i>AEP</i>		5-249423	09/1993	Japan			Abstract
<i>AEP</i>		7-168172	07/1995	Japan			Abstract
<i>AEP</i>		2 178 894	02/1987	United Kingdom			English
<i>AEP</i>		2 178 895	02/1987	United Kingdom			English

**OTHER DOCUMENT(S)** *(Including Author, Title, Date, Pertinent Pages, etc.)*

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LIST OF REFERENCES CITED BY APPLICANT  
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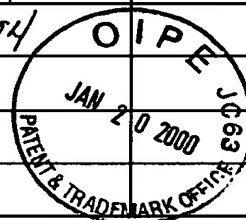
03/16/98

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
SEP	AA	5,251,980	10/12/93	Hiraoka, et al.	374	7	
SEP	AB	5,788,871	08/04/98	Huh	216	84	
	AC						
	AD						
	AE						



## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
SEP	AL	36 11 387	10/15/87	Germany	/	✓
SEP	AY	38 53 904	10/12/95	Germany		✓
SEP	AN	60-163435	08/26/85	Japan		✓
	AD				/	
	AP					
	AQ					
	AR					
	AS				/	

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

SEP	AX	Von Bernd Hartmann, <i>Neue Recyclingtechniken und Abwasser - behandlungsmethoden</i> ; Technische Rundschau 37/90 pp. 104-109.
	AY	
	AZ	

EXAMINER

Alexa C Powell

DATE CONSIDERED

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